

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

What is claimed is:

1. (Cancelled).
2. (Currently amended) A method of building a web site, the method comprising the steps of:  
  
presenting a user with a series of one or more user interfaces including controls for  
  
modifying a template that defines a first arrangement of components for a  
  
template web site;  
  
receiving input from the user in response to user interaction with the controls on the  
  
series of one or more interfaces;  
  
creating a user site XML file holding data indicating a modified arrangement of  
  
components based on the input from the user;  
  
causing a web site building component to automatically build the web site based on the  
  
user site XML file,  
  
wherein the web site building component builds the web site by performing the steps of:  
  
calling routines to create, within a database, database objects for storing and  
  
retrieving properties of components, of the web site, that are specified in  
  
the user site XML file, and  
  
calling routines to load information from the user site XML file into said database  
  
objects; [[and]]

in response to receiving a request, from a requestor, for a requested web site page of the web site, determining access privileges for the requestor; and  
executing a routine to dynamically assemble from the requested web page of the web site,  
one of the web site pages based on the database objects and the access privileges  
for the requestor, in response to receiving a request, from the requestor, for the  
requested web page,  
wherein each web page of the web site is stored in an unassembled form in the database.

3. (Original) The method of claim 2, said step of building the web site further comprising translating data in the user site data structure to commands to cause creation of the database, before causing creation of the database objects.
4. (Cancelled).
5. (Previously Presented) The method of claim 2, wherein the method further comprises the step of creating an extensible stylesheet language transformation (XSLT) document for forming a document displayable by a web browser process operated by the user; and said step of presenting the user with a series of one or more user interfaces further comprises forming the document displayable by the web browser based on the first data structure and the XSLT document.
6. (Previously presented) The method of claim 5, wherein the document displayable by the web browser is a hypertext markup language (HTML) document.
7. (Previously presented) The method of claim 2, wherein the user site data structure is an extensible markup language (XML) document.

8. (Previously Presented) The method of claim 2, wherein the user site data structure is an XML document.
9. (Original) The method of claim 8, wherein XML element types used in the first data structure and XML element types used in the user site data structure are defined in a shared document type definition (DTD) document.
10. (Previously Presented) The method of claim 2, wherein a particular component included in the first arrangement of components is a component that is dynamically generated at a second web site.
11. (Original) The method of claim 10, wherein:  
the modified arrangement of components includes the particular component, and  
the web site includes a link to the second web site for generating the particular component.
12. (Previously Presented) The method of claim 2, further comprising the step of:  
creating a plurality of component data structures, each component data structure holding data indicating one or more properties of a component for the first arrangement of components,  
wherein  
the first data structure includes one or more references to one or more component data structures of the plurality of component data structures, and  
the user site data structure includes one or more references to one or more component data structures of the plurality of component data structures.
13. (Previously Presented) The method of claim 2, further comprising the step of:

creating a second data structure holding data indicating a second arrangement of components, the second arrangement associated with a second type of web site; wherein the series of one or more user interfaces further include controls for selecting one of the first arrangement of components and the second arrangement of components.

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Currently amended) A method of building a web site, the method comprising the steps of:

creating a first data structure holding data indicating one or more adjustable properties of

[[a]] one or more components ~~component~~ for a page for the web site;

presenting a user with a series of one or more user interfaces including controls for

determining one or more values corresponding to the one or more adjustable properties;

receiving user input indicating the one or more values in response to user interaction with

the controls on the series of one or more interfaces; and

in response to the user input, automatically performing the step of building the one or

more components ~~component~~ in the web site based on the one or more values;

wherein said step of building the one or more components ~~component~~ in the web site

includes translating data in [[the]] a second data structure to commands to cause

creation, within a database system, of one or more database objects to support the

one or more components ~~component~~, [[and]]

wherein each database object, of the one or more database objects, supports a particular component of the one or more components, wherein each database object, of the one or more database objects, includes a first stored procedure and a second stored procedure, wherein execution of the first stored procedure causes the particular component to be rendered in a manner that allows the user to perform a first set of actions using the particular component, wherein execution of the second stored procedure causes the particular component to be rendered in a manner that allows the user to perform a second set of actions using the particular component, wherein the first set of actions is different from the second set of actions, wherein the first stored procedure requires that the requestor possess a different set of access privileges to be executed than the second stored procedure, and  
wherein said step of building the component in the web site further comprises translating data in the second data structure to commands to cause creation of the database, before causing creation of the one or more database objects.

18. (Previously Presented) The method of claim 17, wherein the first data structure is a extensible markup language (XML) document.
19. (Original) The method of claim 18, wherein  
the method further comprises the step of creating an extensible stylesheet language transformation (XSLT) document for forming a document displayable by a web browser process operated by the user; and  
said step of presenting the user with a series of one or more user interfaces further comprises forming the document displayable by the web browser based on the first data structure and the XSLT document.

20. (Previously presented) The method of claim 19, wherein the document displayable by the web browser is a hypertext markup language (HTML) document.
21. (Previously Presented) The method of claim 17, wherein said step of building the component in the web site further comprises creating a second data structure holding data indicating the one or more values for the one or more adjustable properties of the component based on the user input, and wherein the second data structure is an extensible markup language (XML) document.
22. (Original) The method of claim 18, wherein XML element types used in the first data structure are defined in a first document type definition (DTD) document.
23. (Previously presented) The method of claim 22, wherein:  
the method further comprises the step of distributing a copy of the first DTD document to  
a supplier of a component for web pages; and  
said step of creating the first data structure further comprises  
receiving a supplier XML document from the supplier of the component including  
XML element types defined in the first DTD, and  
generating the data indicating one or more adjustable properties based on supplier  
data in the supplier XML document.
24. (Previously Presented) The method of claim 17, wherein the component is generated at a second web site.
25. (Original) The method of claim 24, wherein:  
the step of building the component in the web site comprises including a link to the  
second web site in the web site, and

the link includes data indicating the one or more values corresponding to the one or more adjustable parameters.

26. (Cancelled).

27. (Currently amended) A computer-readable medium carrying one or more sequences of instructions for building a web site, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:

presenting a user with a series of one or more user interfaces including controls for modifying a template that defines a first arrangement of components for a template web site;

receiving input from the user in response to user interaction with the controls on the series of one or more interfaces;

creating a user site XML file holding data indicating a modified arrangement of components based on the input from the user;

causing a web site building component to automatically build the web site based on the user site XML file,

wherein the web site building component builds the web site by performing the steps of:

calling routines to create, within a database, database objects for storing and retrieving properties of components, of the web site, that are specified in the user site XML file, and

calling routines to load information from the user site XML file into said database objects; [[and]]

in response to receiving a request, from a requestor, for a requested web site page of the web site, determining access privileges for the requestor; and  
executing a routine to dynamically assemble from the requested web page of the web site,  
~~one of the web site pages~~ based on the database objects and the access privileges  
for the requestor, in response to receiving a request, from the requestor, for the  
requested web page,  
wherein each web page of the web site is stored in an unassembled form in the database.

28. (Original) The computer-readable medium of claim 27, said step of building the web site further comprising translating data in the user site data structure to commands to cause creation of the database, before causing creation of the database objects.
29. (Cancelled).
30. (Previously Presented) The computer-readable medium of claim 27, wherein:  
the computer-readable medium further carries an extensible stylesheet language  
transformation (XSLT) document for forming a document displayable by a web  
browser process operated by the user; and  
said step of presenting the user with a series of one or more user interfaces further  
comprises forming the document displayable by the web browser process based  
on the first data structure and the XSLT document.
31. (Previously presented) The computer-readable medium of claim 30, wherein the  
document displayable by the web browser is a hypertext markup language (HTML)  
document.



32. (Previously presented) The computer-readable medium of claim 27, wherein the user site data structure is a extensible markup language (XML) document.
33. (Previously presented) The computer-readable medium of claim 27, wherein the user site data structure is an XML document.
34. (Original) The computer-readable medium of claim 33, wherein XML element types used in the first data structure and XML element types used in the user site data structure are defined in a shared document type definition (DTD) document.
35. (Previously Presented) The computer-readable medium of claim 27, wherein a particular component included in the first arrangement of components is a dynamically generated at a second web site.
36. (Original) The computer-readable medium of claim 35, wherein:  
the modified arrangement of components includes the particular component, and  
the web site includes a link to the second web site for generating the particular component.
37. (Previously Presented) The computer-readable medium of claim 27, wherein:  
the computer-readable medium further holds a plurality of component data structures,  
each component data structure holding data indicating one or more properties of a component for the first arrangement of components,  
the first data structure includes one or more references to one or more component data structures of the plurality of component data structures, and  
the user site data structure includes one or more references to one or more component data structures of the plurality of component data structures.

38. (Previously Presented) The computer-readable medium of claim 27, wherein:  
the computer-readable medium further carries a second data structure holding data  
indicating a second arrangement of components, the second arrangement  
associated with a second type of web site; and  
the series of one or more user interfaces further include controls for selecting one of the  
first arrangement of components and the second arrangement of components.
39. (Cancelled).
40. (Cancelled).
41. (Cancelled).
42. (Currently amended) A computer-readable medium for building a web site, the medium  
carrying:  
a first data structure holding data indicating one or more adjustable properties of one or  
more components [[a]] component for a page for the web site; and  
one or more sequences of instructions wherein execution of the one or more sequences of  
instructions by one or more processors causes the one or more processors to  
perform the steps of  
presenting a user with a series of one or more user interfaces including controls  
for determining one or more values corresponding to the one or more  
adjustable properties,  
receiving user input indicating the one or more values in response to user  
interaction with the controls on the series of one or more interfaces, and

in response to the user input, automatically performing the step of building the one or more components ~~component~~ in the web site based on the one or more values;

wherein said step of building the component in the web site includes translating data in ~~[[the]]~~ a second data structure to commands to cause creation, within a database system, of one or more database objects to support the one or more components ~~component~~, ~~[[and]]~~

wherein each database object, of the one or more database objects, supports a particular component of the one or more components, wherein each database object, of the one or more database objects, includes a first stored procedure and a second stored procedure, wherein execution of the first stored procedure causes the particular component to be rendered in a manner that allows the user to perform a first set of actions using the particular component, wherein execution of the second stored procedure causes the particular component to be rendered in a manner that allows the user to perform a second set of actions using the particular component, wherein the first set of actions is different from the second set of actions, wherein the first stored procedure requires that the requestor possess a different set of access privileges to be executed than the second stored procedure, and

wherein said step of building the component in the web site further comprises translating data in the second data structure to commands to cause creation of the database, before causing creation of the one or more database objects.

43. (Previously Presented) The computer-readable medium of claim 42, wherein the first data structure is an extensible markup language (XML) document.

44. (Original) The computer-readable medium of claim 43, wherein the computer-readable medium further carries an extensible stylesheet language transformation (XSLT) document for forming a document displayable by a web browser process operated by the user; and said step of presenting the user with a series of one or more user interfaces further comprises forming the document displayable by the web browser based on the first data structure and the XSLT document.
45. (Original) The computer-readable medium of claim 44, wherein the document displayable by the web browser is an hypertext markup language (HTML) document.
46. (Previously Presented) The computer-readable medium of claim 42, wherein said step of building the component in the web site further comprises creating a second data structure holding data indicating the one or more values for the one or more adjustable properties of the component based on the user input, and wherein the second data structure is an extensible markup language (XML) document.
47. (Original) The computer-readable medium of claim 43, wherein XML element types used in the first data structure are defined in a first document type definition (DTD) document.
48. (Previously presented) The computer-readable medium of claim 47, the one or more sequences of instructions further causing the one or more processors to perform the steps of:  
distributing a copy of the first DTD document to a supplier of a component for web pages;

receiving a supplier XML document from the supplier of the component including XML element types defined in the first DTD; and  
generating the data indicating one or more adjustable properties based on supplier data in the supplier XML document.

49. (Previously Presented) The computer-readable medium of claim 42, wherein the component is generated at a second web site.
50. (Original) The computer-readable medium of claim 49, wherein:  
the step of building the component in the web site comprises including a link to the second web site in the web site, and  
the link includes data indicating the one or more values corresponding to the one or more adjustable parameters.

51-53. (Cancelled)